

Special Issue

Modeling and Optimization of Electrical Systems

Message from the Guest Editor

Power Electrical Systems, Electrical Equipment, Electromechanical Systems and, in general, all Physical Assets need to have Maintenance Interventions aiming to reach their maximum Availability. In the ambit of Planned Maintenance, the Condition Monitoring is extremely important, what is emphasized when it is used Prediction. To support Prediction, they can be used the traditional Time Series Algorithms or Artificial Intelligence Algorithms, namely based on the several different approaches of Neural Networks. The Physical Assets also must be analysed carefully in order to guarantee or improve their Reliability; it is because the Dynamic Modelling is so important. Tools like Fault Trees, Markov Chains, Hidden Markov Chains, Petri Nets, among others are important knowledge pieces that are necessary to use aiming to evaluate and improve Physical Asset's Reliability. This Special Issue would like to encourage original contributions regarding the aspects preceding, but not necessary limited to them.

Guest Editor

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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